

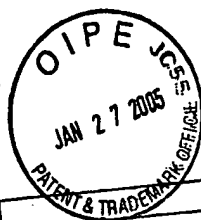


Form PTO-1449		Docket No.: 10557/263318		Application No. 10/022,663	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: A. C. Nicol		Filing Date: December 17, 2001	
		Group Art Unit 3732			
U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Date	Name	Class	Subclass
	3,694,820	10/1972	Scales		
	3,803,641	04/1974	Golyakhovsky et al.		
	3,916,451	11/1975	Buechel et al.		
	3,978,528	9/1976	Crep		
	4,003,095	01/1977	Gristina		
	4,040,131	08/1977	Gristina		
	4,045,825	09/1997	Stroot		
	4,106,130	09/1978	Scales		
	4,135,517	01/1979	Reale		
	4,179,758	12/1979	Gristina		
	4,206,517	06/1980	Pappas et al.		
	4,219,893	09/1980	Noiles		
	4,279,041	07/1981	Buchholz		
	4,301,553	11/1981	Noiles		
	4,352,212	10/1982	Green et al.		
	4,538,305	09/1985	Engelbrecht et al.		
	4,549,319	10/1985	Meyer		
	4,608,053	08/1986	Keller		
	4,634,444	01/1987	Noiles		
	4,650,489	03/1987	Thompson		
	4,676,797	06/1987	Anaploitis et al.		
	4,693,723	09/1987	Gebard		
	4,822,370	04/1989	Schelhas		
	4,865,605	09/1989	Dines et al.		
	4,892,546	01/1990	Kotz et al.		
	4,908,032	03/1990	Keller		
	4,911,719	03/1990	Merle		
	4,919,669	4/1990	Lannelongue		
	4,919,670	4/1990	Dale et al.		
	4,921,500	5/1990	Averill et al.		
4,938,773	7/1990	Strand			
4,957,510	9/1990	Cremascoli			
4,963,155	10/1990	Lazzeri et al.			
4,986,833	01/1991	Worland			
5,002,578	03/1991	Luman			
5,002,581	03/1991	Paxson et al.			
Examiner:	Date Considered: 3/29/02				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					



Form PTO-1449		Docket No.: 10557/263318		Sheet 2 of 6		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary).		Applicant: A. C. Nicol		Application No. 10/022,663		
		Filing Date: December 17, 2001		Group Art Unit 3732		
U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Translation
	5,015,257	05/1991	Crowninshield et al.			
	5,201,882	04/1993	Paxson			
	5,282,865	02/1994	Dong			
	5,314,479	05/1994	Rockwoos, Jr. et al.			
	5,358,526	10/25/94	Tornier			
	5,462,563	10/1995	Shearer et al.			
	5,489,309	02/06/96	Lackey, et al.			
	5,507,814	04/1996	Gilbert et al.			
	5,507,817	04/1996	Craig et al.			
	5,507,818	04/1996	McLaughlin			
	5,549,682	08/27/96	Roy			
	5,549,703	08/1996	Daigle et al.			
	5,580,352	12/1996	Sekel			
	5,658,340	08/1997	Muller et al.			
	5,702,457	12/30/97	Walch, et al.			
	5,702,486	12/1997	Craig et al.			
	5,728,161	03/1998	Camino et al.			
	5,741,335	04/21/98	Gerber, et al.			
	5,902,340	05/1999	White et al.			
	5,906,644	95/1999	Powell			
	5,910,171	06/08/99	Kummer, et al.			
	5,944,758	08/31/999	Mansat, et al.			
	6,033,439	03/07/00	Camino, et al.			
	6,045,582	04/04/0	Prybyla			
	6,102,953	08/15/00	Huebner			
	6,120,542	09/19/00	Camino, et al.			
	6,129,764	10/10/00	Servidio			
	6,168,627	01/02/01	Huebner			
	6,171,341	01/09/01	Boileau, et al.			
	6,197,062	03/06/01	Fenlin			
	6,197,063	03/06/01	Dews			
	6,203,575	03/20/01	Farey			
	6,206,925	03/27/01	Tornier			
	6,228,120	05/08/01	Leonard, et al.			
Examiner: <i>Patricia Philizone</i>	Date Considered: <i>3/29/02</i>					

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Form PTO-1449		Docket No.: 10557/263318		Sheet 3 of 6	
Applicant: A. C. Nicol		Application No. 10/022,663			
Filing Date: December 17, 2001		Group Art Unit 3732			
NON-U.S. PATENT DOCUMENTS					
Document Number	Date	Country	Class	Subclass	Translation
0 679 375 A1	11/02/95	Europe			Abstract
0 850 609 A1	07/01/98	Europe			Abstract
0 953 321 A12	11/03/99	Europe			Abstract
1 043 001 A2	10/11/00	Europe			
1 048 274 A2	11/02/00	Europe			Abstract
1 059 071 A1	12/13/00	Europe			Abstract
1 093 777 A2	04/25/01	Europe			Abstract
WO 01/22905 A1	05/05/01	PCT			Abstract
WO 01/15154	03/23/00	PCT			Abstract
2647670	12/07/90	France			Abstract
2 685 633	07/02/93	France			Abstract
2 727 002	05/24/96	France			Abstract
2 727 857	06/14/96	France			Abstract
2 731 612	09/20/96	France			
29 32 744	08/1978	German			
44 01 952 C1	01/1994	German			Abstract
4320086	12/1994	German			Abstract
195 09 037	03/1995	German			Abstract
0 041 591 A1	05/1980	Europe			
0099167	01/1984	Europe			Abstract
0 127 503 A1	12/1984	Europe			
0 201 407 A1	11/1986	Europe			
0 201 407 B1	11/1986	Europe			
0 216 489 A1	04/1987	Europe			
0 278 807 A3	08/1988	Europe			Abstract
0 299 889 A3	01/1989	Europe			
0 299 889 B1	01/1989	Europe			Abstract
0 485 311 A1	05/1992	Europe			
0 639 359 A1	08/1993	Europe			
0 599 429 A2	06/1994	Europe			
0 664 108 A2	07/1995	Europe			Abstract
0712 617 A1	05/1996	Europe			Abstract
2 617 706	01/1989	France			Abstract
2 652 498	04/1991	France			Abstract
2 664 809	01/1992	France			Abstract
2 697 996	05/1994	France			Abstract
2 721 200	12/1995	France			Abstract

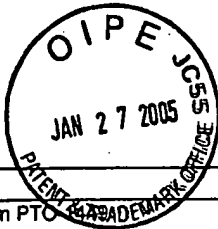
Examiner: *Redo Phil* Date Considered: *3/29/05*

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Form PTO-1449		Sheet 5 of 6	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No.:	Application No.
		10557/263318	10/022,663
		Applicant:	
		A. C. Nicol	
Filing Date:		Group Art Unit	
December 17, 2001		3732	
OTHER MATERIAL			
		Fowler, et al., "The development of a modular humeral prosthesis locking mechanism," <i>Proc. Instn. Mech. Engrs.</i> , 215(H):229-236 (2001)	
		Nicol and Fowler, Millennium Shoulder Project, Final Report, 3 April 1998, The University of Strathclyde, Glasgow	
		Badet et al., "Arthrography and computed arthrotomography study of seventy patients with primary glenohumeral osteoarthritis," <i>Rev. Rheum. Engl. ed.</i> , 62(9):55-562 (1995).	
		Blevins et al., "Dissociation of modular shoulder arthroplasty components," 40 th Annual Meeting, Orthopaedic Research Society, New Orleans, page 827 (1994).	
		Boileau, et al., "In vitro study of humeral retrotorsion," <i>J. Shoulder & Elbow Surgery</i> , S12 (January/February 1993) (Abstract)	
		Boileau, "The three-dimensional geometry of the proximal humerus," <i>JBJS</i> , 70B:857-865 (1997).	
		Buechel et al., "Floating Socket' total shoulder replacement: anatomical, biomechanical and surgical rationale," <i>J of Biomedical Materials Research</i> 12:89-114 (1978).	
		Cyprian et al., "Humeral retrotorsion and the glenohumeral relationship in the normal shoulder and in recurrent anterior dislocation (scapulometry)," <i>Clin. Orthop Rel Res.</i> , No. 175, 8-17 (1983).	
		Dahnert et al., "CT measurement of humeral retrotorsion," <i>Zeitschrift fur Orthopadie und Ihre Granzgebiete</i> , Vol. 124, 46-49 (1986).	
		Gristina et al., "Monspherical total shoulder replacement," <i>Iminerva Orthopedica e traumatologica</i> , Vol. 41, Suppl. al N 11, 33-37 (1990).	
		Harland et al., "Determination of the humeral retrosioun angle," <i>Zeitschrift fur Orthopadie und Ihre Granzgebiete</i> , Vol. 129, 36-41 (1991).	
		Iannotti et al., "Te normal glenohumeral relationships. An anatomical study of 140 shoulders," <i>JBJS</i> , Vol. 74A, No. 4, 491-500 (1992)	
		Inman et al., "Observations on the function of the shoulder joint," <i>JBJS</i> , Vol. 26, 1-30 (1944).	
		Juvinal et al., <i>Fundamentals of machine component design</i> , 2 nd edition, John Wiley & Sons (1991).	
		Kronberg et al., "Retroversion of the humeral head in the normal shoulder and its relationship to the normal range of motion," <i>Cli. Orthop. Rel Res.</i> , No. 253, 113-117 (1990).	
		Kronberg et al., "Stability in relation to humeri head retroversion after surgical treatment of recurrent anterior shoulder dislocations," <i>Orthopedics</i> , Vol. 16, 281-285 (1993).	
		Maki, "Anthropometric study of the gleno humeral joint," 22 nd Annual ORS, Braniff Place Hotel, New Orleans, Louisiana p. 173 (January 28-30, 1976) (Abstract).	
Examiner:		Date Considered:	
Richard M. [Signature]		3/29/66	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			



Sheet 6 of 6																					
Form PTO-100 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Docket No.:</td> <td style="width: 35%;">10557/263318</td> <td style="width: 35%;">Application No.:</td> <td style="width: 35%;">10/022,663</td> </tr> <tr> <td colspan="4">Applicant:</td> </tr> <tr> <td colspan="4" style="text-align: center;">A. C. Nicol</td> </tr> <tr> <td colspan="2">Filing Date:</td> <td colspan="2">Group Art Unit</td> </tr> <tr> <td colspan="2" style="text-align: center;">December 17, 2001</td> <td colspan="2" style="text-align: center;">3732</td> </tr> </table>	Docket No.:	10557/263318	Application No.:	10/022,663	Applicant:				A. C. Nicol				Filing Date:		Group Art Unit		December 17, 2001		3732	
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	<div style="display: flex;"> <div style="width: 20%; border-right: 1px solid black; padding-right: 5px;"> </div> <div style="width: 80%; padding-left: 5px;"> <p>McPherson et al., "Anthropometric study of normal glenohumeral relationships," <i>J. Shoulder & Elbow Surgery</i>, Vol. 6, No. 2, 105-112 (1997).</p> <p>Morrey et al., "Biomechanics of the shoulder," Chapter 6, pp. 208-245 <i>The Shoulder</i>, Ed. Rockward CA & Matsen III FA, WB Saunders Co. (1990).</p> <p>Neer, "Glenohumeral Arthroplasty," <i>Shoulder Reconstruction</i>, Chapter 3, pp. 143, 148, 149, 150, Ed. W. B. Saunders Company (1990).</p> <p>O'Brien et al., "Developmental anatomy of the shoulder and anatomy of the glenohumeral joint," Chapter 1, <i>The Shoulder</i>, Ed. Rockward CA & Matsen III FA, WB Saunders Co. 1-33 (1990).</p> <p>Pearl et al., "Retroversion of the proximal humerus in relationship to prosthetic replacement arthroplasty," <i>J. Shoulder & Elbow Surgery</i>, Vol. 7, 286-289 (1995).</p> <p>Pearl et al., "Coronal plane geometry of the proximal humerus relevant to prosthetic arthroplasty," <i>J. Shoulder & Elbow Surgery</i>, Vol. 5, No. 4, 320-326 (1996).</p> <p>Piepper, "Shoulder dislocation in skiing: choice of surgical method depending on the degree of humeral retrotorsion," <i>Int. J. Sports Med.</i>, Vol. 6, 155-160 (1985).</p> <p>Poppen et al., "Forces at the glenohumeral joint in abduction," <i>Clin. Orthop. Rel Res.</i>, No. 135, 165-170 (1978).</p> <p>Randelli et al., "Glenohumeral osteometry by computed tomography in normal and unstable shoulders," <i>Clin. Orthop. Rel Res.</i>, No. 208, 151-156 (1986)</p> <p>Rietveld et al., "The lever arm in glenohumeral abduction after hemiarthroplasty," <i>JBJS</i>, 70B, No. 4, 561-565 (1988)</p> <p>Roberts et al., "The geometry of the humeral head and the design of prosthesis," <i>JBJS</i>, 73B, No. 4, 6470650 (1991).</p> <p>Saha, "Dynamic stability of the Glenohumeral joint," <i>Acta. Orthop. Scandinav.</i>, Vol. 42, 491-505 (1971).</p> <p>Sarraffian, "Gross and functional anatomy of the shoulder," <i>Clin. Orthop. Rel Res.</i>, No. 173, 11-19 (1983)</p> <p>Soderlund et al., "Radiologic assessment of humeral head retroversion," <i>Acta Radiologica</i>, Vol. 30, 501-505 (1989.)</p> <p>Symeonides et al., "Humeral head torsion in recurrent anterior dislocation of the shoulder," <i>JBJS</i>, 77B, No. 5, 687-690 (1995).</p> <p>Randelli et al., "Glenohumeral osteometry by computed tomography in normal and unstable shoulders," <i>Clin. Orthop. Rel Res.</i>, No. 208, 151-156 (1986)</p> <p>Thesis by Karlsson, Dan, "Force Distributions in the Human Shoulder, Chalmers University of Technology, Division of Mechanics (1992)</p> </div> </div>																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Examiner: </td> <td style="width: 50%;">Date Considered: 3/29/06</td> </tr> </table>	Examiner:	Date Considered: 3/29/06																		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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Application Number

Complete if Known

10/022,663

Filing Date

December 17, 2001

First Named Inventor

A. C. NICHOL

Group Art Unit

3732

Examiner Name

Philogene, Pedro

Attorney Docket Number

10557/263318

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner
Signature

Pedro Piñeyre

Date
Considered

3/28/06

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